



6L4

OSCILLATOR TRIODE

ACORN TYPE

6L4

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts
Current. 0.225 amp

Direct Interelectrode Capacitances:

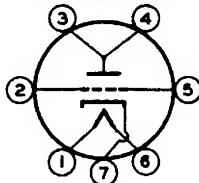
Grid to Plate. 1.6 μf
Grid to Cathode. 1.8 μf
Plate to Cathode 0.5 μf

* With no external shield.

Mechanical:

Mounting Position. Any
Overall Length $1-7/32" \pm 5/32"$
Overall Diameter (Including radial pins) $1-3/32" \pm 1/16"$
Bulb T-4-1/2
Base Small Radial 7-Pin
Basing Designation for BOTTOM VIEW 7BR

Pin 1-Heater
Pin 2-Grid
Pin 3-Plate
Pin 4-Plate



Pin 5-Grid
Pin 6-Heater
Pin 7-Cathode

AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 500 max. volts
PLATE DISSIPATION. 1.7 max. watts
PLATE CURRENT. 15 max. ma
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode 80 max. volts
Heater positive with respect to cathode 80 max. volts

Typical Operation and Characteristics:

Plate Voltage. 80 volts
Cathode-Bias Resistor. 150 ohms
Amplification Factor 28
Plate Resistance 4400 ohms
Transconductance 6400 μmhos
Plate Current. 9.5 ma

Maximum Circuit Values (for maximum rated conditions):

Grid-Circuit Resistance:

For fixed bias Not Recommended
For cathode bias 0.5 max. megohm

MAY 20, 1949

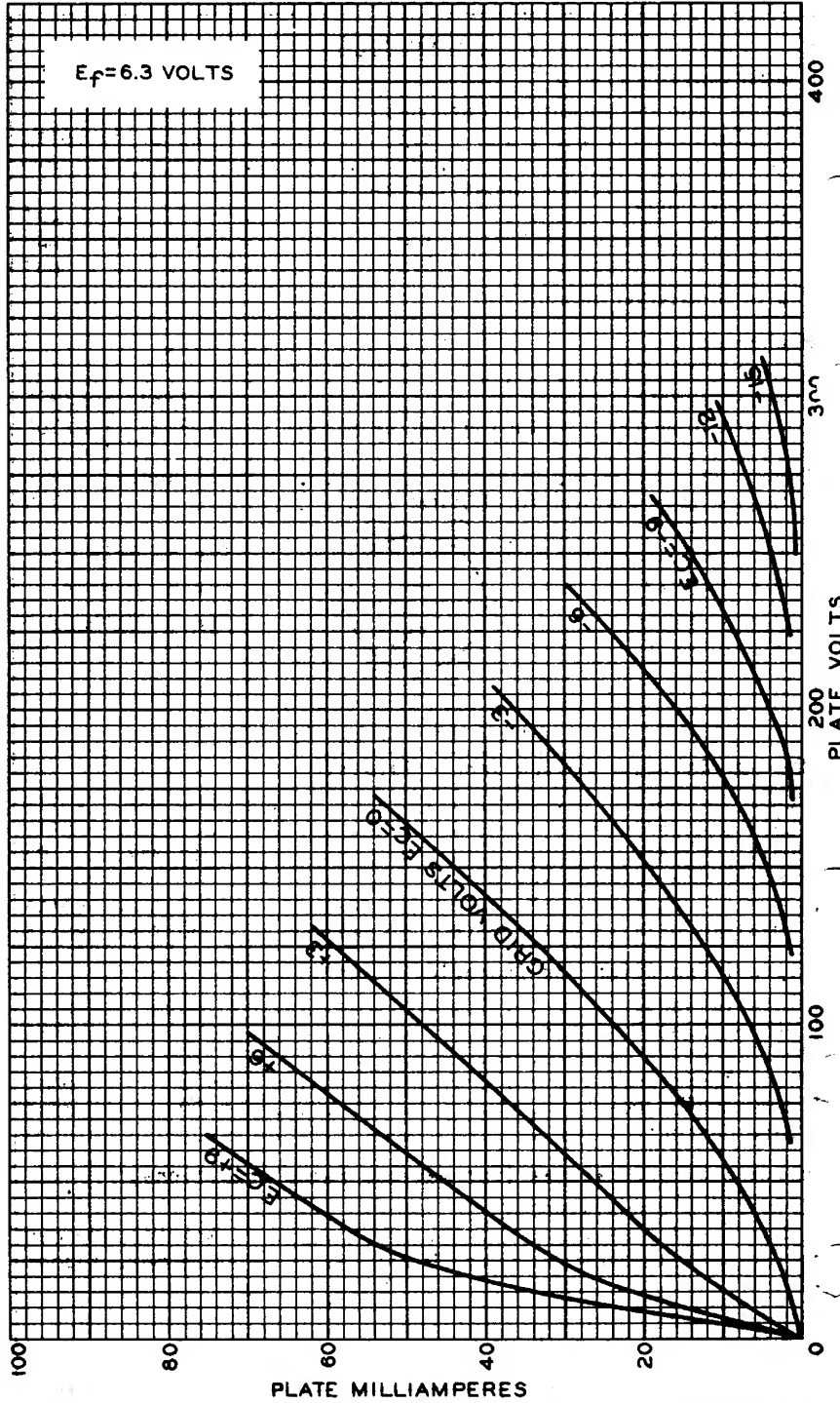
TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

TENTATIVE DATA

6L4



AVERAGE PLATE CHARACTERISTICS



MAR. 8, 1949

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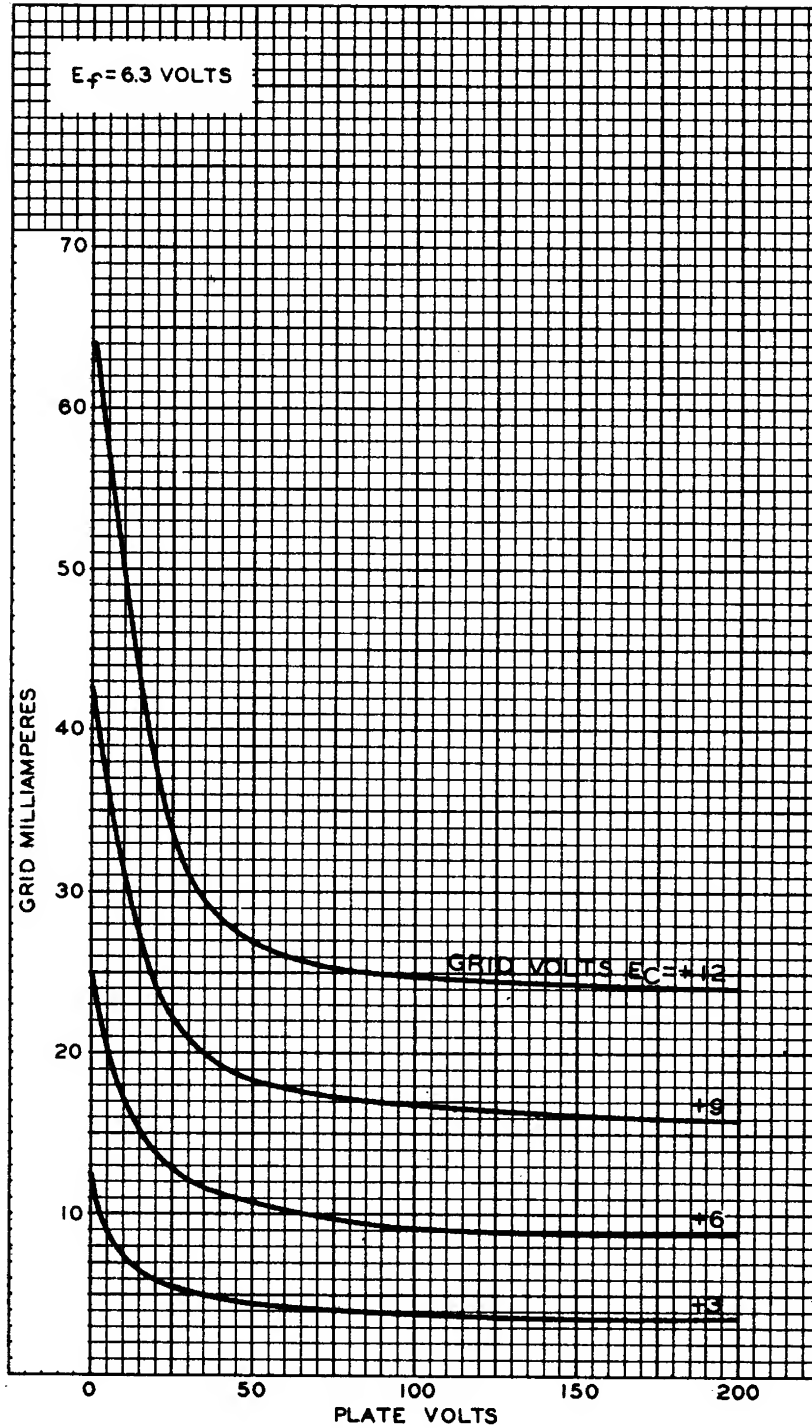
92CM-7199



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TYPICAL CHARACTERISTICS



MAR. 10, 1949

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